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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/585,794	08/12/2008	Dingning Tano	CPALP006	7350
	7590 11/28/201 Villeneuve & Sampson	EXAMINER		
P.O. BOX 70250 OAKLAND, CA 94612-0250			COVINGTON, RAYMOND K	
			ART UNIT	PAPER NUMBER
		1622		
		NOTIFICATION DATE	DELIVERY MODE	
			11/28/2011	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

USPTO@wavsip.com

		Application No.	Applicant(s)				
Office Action Summary		10/585,794	TANO ET AL.				
		Examiner	Art Unit				
		RAYMOND COVINGTON	1622				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1)[X	Responsive to communication(s) filed on 15 Se	entember 2011					
2a)		action is non-final.					
′_	, —		set forth during the	e interview on			
٥,٢	3) An election was made by the applicant in response to a restriction requirement set forth during the interview on; the restriction requirement and election have been incorporated into this action.						
4)	4) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
•/	closed in accordance with the practice under E	·					
Dienosi	tion of Claims						
	-						
6) 7) 8)	 5) ☐ Claim(s) 1-25 is/are pending in the application. 5a) Of the above claim(s) is/are withdrawn from consideration. 6) ☐ Claim(s) is/are allowed. 7) ☐ Claim(s) 1-25 is/are rejected. 8) ☐ Claim(s) is/are objected to. 9) ☐ Claim(s) are subject to restriction and/or election requirement. 						
Application Papers							
 10) The specification is objected to by the Examiner. 11) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 12) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. 							
Priority under 35 U.S.C. § 119							
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
Attachme	ent(s)						
1)	cincs) circe of References Cited (PTO-892) circe of Draftsperson's Patent Drawing Review (PTO-948) circmation Disclosure Statement(s) (PTO/SB/08) circ No(s)/Mail Date 9/16/11.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	te				

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Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Napro WO 0049006 in view of Breslow et al Tetra. Let. Vol. 39 no. 19 pp 2887-2890 and Damen et al US 5874595.

The Supreme Court in *KSR International Co. v. Teleflex Inc.*, 550 U.S. 398, 127 S. Ct. 1727, 82 USPQ2d 1385, 1395-97 (2007) identified a number of rationales to support a conclusion of obviousness which are consistent with the proper "functional approach" to the determination of obviousness as laid down in *Graham*. The key to supporting any rejection under 35 U.S.C. 103 is the clear articulation of the reason(s) why the claimed invention would have been obvious. The Supreme Court in *KSR* noted that the analysis supporting a rejection under 35 U.S.C. 103 should be made explicit.

Exemplary rationales that may support a conclusion of obviousness include:

- (A) Combining prior art elements according to known methods to yield predictable results:
- (B) Simple substitution of one known element for another to obtain predictable results;
- (C) Use of known technique to improve similar devices (methods, or products) in the same way;
- (D) Applying a known technique to a known device (method, or product) ready for improvement to yield predictable results;
- (E) "Obvious to try" choosing from a finite number of identified, predictable solutions, with a reasonable expectation of success;

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- (F) Known work in one field of endeavor may prompt variations of it for use in either the same field or a different one based on design incentives or other market forces if the variations are predictable to one of ordinary skill in the art;
- (G) Some teaching, suggestion, or motivation in the prior art that would have led one of ordinary skill to modify the prior art reference or to combine prior art reference teachings to arrive at the claimed invention.

Note that the list of rationales provided is not intended to be an all-inclusive list. Other rationales to support a conclusion of obviousness may be relied upon by Office personnel.

Napro, which discloses C-7 metal alkoxides used as intermediates in the preparation of taxanes. Patentees differ in the particular taxane compound modified and the metal chosen. However, it would have been obvious to one of ordinary skill in the art possible to use alkali bases other than KOH or NaOH to form the corresponding C7 metal oxide of baccatin III. See, for example page 6. Further, Breslow et al discloses a method for the preparation of baccatin III (a well-known taxane) selectively acylated on position 10 by treatment with an acid anhydride and a lanthanide salt, in this case cerium chloride, even though other lantanides can be used. Damen et al discloses a similar process, where scandium and other lanthanides can be used in place of cerium or other lanthanides. As di- or trivalent lanthanide salts are known, it would have been obvious to one of ordinary skill in the art to select analogous lanthanide salts as agents able to protect the C-7 position of taxanes. This is particularly true as the specificity of the acylation in at the position 10 was evident in Breslow and Damen, as well as the absence of necessity of any other deprotecting agent. One of ordinary skill in the art would immediately have observed that the addition of lanthanide salts confers specificity to the acylation in position 10, with exclusion of the position 7 thereby indicating an inherent protecting function.

A reference is good not only for what it teaches by direct anticipation but also for what one of ordinary skill in the art might reasonably infer from the teachings. (*In re Opprecht* 12

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USPQ 2d 1235, 1236 (Fed Cir. 1989); *In re Bode* 193 USPQ 12 (CCPA) 1976). In light of the foregoing discussion, the Examiner concludes that the subject matter defined by the instant claims would have been obvious within the meaning of 35 USC 103(a). From the teachings of the references, it is apparent that one of ordinary skill in the art would have had a reasonable expectation of success in producing the claimed invention. Therefore, the invention as a whole was *prima facie* obvious to one of ordinary skill in the art at the time the invention was made, as evidenced by the references, especially in the absence of evidence to the contrary.

Allowable Subject Matter

Claims 18-25 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

No claim is allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Raymond Covington whose telephone number is (571) 272-0681. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Kosar at telephone number (571) 272-0913.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent
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/R. C./ Examiner, Art Unit 1622 /Andrew D Kosar/ Supervisory Patent Examiner, Art Unit 1622